**Table 1. Changes in the growth hormone levels in the oral glucose tolerance test**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Hormone levels** | **Date** | | | |
| **15.01.2021** | **17.02.2021** | **07.09.2021** | **12.01.2023** |
| Baseline STH, ng/mL | 0.64 (0.06–5.0) | 1.98 (0.06–6.9) | 1.53 (0.06–6.9) | 1.56 (0.06–5.0) |
| STH at 30 min after the intake of 75 g of glucose, ng/mL | 0.76 (< 1.0) | 1.78 (< 1.0) | – | 1.79 (< 1.0) |
| STH at 60 min after the intake of 75 g of glucose, ng/mL | 0.76 (< 1.0) | 1.61 (< 1.0) | – | 1.42 (< 1.0) |
| STH at 90 min after the intake of 75 g of glucose, ng/mL | 0.74 (< 1.0) | 1.49 (< 1.0) | – | 1.34 (< 1.0) |
| STH at 120 min after the intake of 75 g of glucose, ng/mL | 0.92 (< 1.0) | 1.57 (< 1.0) | – | 1.26 (< 1.0) |

STH, somatotropic hormone

In brackets: reference ranges from the laboratory where the study was performed

**Table 2. Changes of hormone levels over time**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Hormone levels** | **Date** | | | | | |
| **15.01.2021** | **17.02.2021** | **07.09.2021** | **09.11.2021** | **17.02.2022** | **12.01.2023** |
| IGF1, ng/mL | 49.8 (43–209) | 202.4 (51–271) | 269.2 (51–271) | 289.2 (94–269) | 258 (101–267) | 171.3 (83–220) |
| Prolactin, mMU/L | 37.3 (40–530) | 30.8 (64–395) | 30.8 (94–500) |  |  | – |
| TSH, mcMU/mL | 0.36 (0.4–4.0) | 0.046 (0.25–3.5) | – |  |  | 0.13 (0.4–4.0) |
| FТ4, pmol/l | 9.97 (9.3–21.5) | 13.55 (9–19) | – |  |  | 14.0 (9.3–21.5) |
| ACTH, pg/mL | Below 5.0 (9–46) | – | 7.76 (7.2–63.3) |  |  | – |
| Blood cortisol, baseline, nmol/L | Below 27.6 (138–690) | – | 1.52 (171–536) |  |  | Below 27.6 (138–690) |
| FSH, mMU/mL | 2.18 (2.8–11.3) | – | 2.55 (1.9–11.7) |  |  | – |
| LH, mMU/mL | 0.6 (1.1–11.6) | – | 0.677 (2.6–12.1) |  |  | – |
| Estradiol, pg/mL | Below 20 (30–160) | – | – |  |  | – |
| Parathyroid hormone, pg/mL | – | 50.98 (15–65) | – |  |  | 28.0 (10–65) |

ACTH, adrenocorticotropic hormone; FT4 – free thyroxine; IGF1, insulin-like growth factor 1; LH, luteinizing hormone; TSH, thyrotropin; FSH, follicle stimulating hormone

In brackets: reference ranges from the laboratory where the study was performed